RUDENKO, N.P.; KALINKINA, O.M.

Preparation of some radioactive indicators. Vest. Mosk. un. Ser. 2:
Khim. 20 no.6:83-85 N-D 165. (MIRA 19:1)

1. Laboratoriya radiokhimii Nauchno-issledovatel'skogo instituta
yadernoy fiziki Moskovskogo universiteta. Submitted Jan. 13, 1965.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

BEDESKU, A.; KALINKINA, O.M.; SOROKIN, A.A.; FORAFONTOV, N.V.;

SHPINEL, V.S.

Decay scheme of Te<sup>131m</sup>. Zhur. eksp. i teor. fiz. 40 no.1:91-100

Ja '61.

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo

universiteta.

(Tellurium—Decay)

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5/075/62/017/009/006/006 E071/E436

**AUTHORS:** 

Kalinkina, O.M., Rudenko, N.P.

TITLE:

On the problem of preparation of hafnium 8-hydroxy-

quinolinate of a definite composition

PERIODICAL: Zhurnal analiticheskoy khimii, v.17, no.9, 1962,

1120-1121

The precipitation of hafnium 8-hydroxyquinolinate using a TEXT: nascent reagent is carried out by adding an alcoholic solution of 8-hydroxyquinoline to a solution of hafnium nitrate containing oxalic acid. An increase in the pH of the solution was obtained by the decomposition of urea on heating. On the basis of chemical and thermogravimetric analysis the composition of the precipitate was hafnium β-hydroxyquinolinate Hf(C9H6NO)4. There is I figure.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im.

M.V.Lomonosova (Moscow State University imeni

M.V.Lomonosov)

SUBMITTED: Card 1/1

April 20, 1962

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

HALINKINA, O.M.; RUDENKO, N.P.

Preparation of hafnium 8-hydroxyquinolinate of a definite composition. Zhur.anal.khim. 17 no.9:1120-1121 D '62.

(MIRA 16:2)

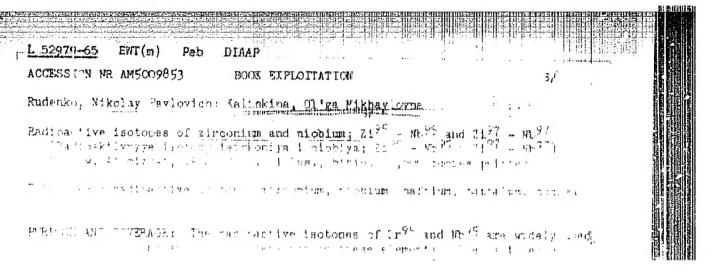
1. Institute of Nuclear Physics, M.V. Lomonosov Moscow State University.

(Hafnium compounds)
(Quinolinol)

RULENE, Nikolay Tavlovich; McCELLE, 61 ga Kikhaylovna 101/25HVINA, 1.2., red.

[hadionative icotopes of zirconium and niobium 2595 - Nb<sup>95</sup> and 2597 - Nb<sup>97</sup>] Radionktivnye izotopy tsirkonia miobiim 2595 - Nb<sup>95</sup> i 25<sup>77</sup> - Nb<sup>97</sup>. Moskva, Atomizant, 1962. 24 p.

(MIJU 17:10)



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AUTHORS: Kalinkina, T. A.; Kovanova, A. M.; Pankova, A. A.; Sukhodrev, M. K.; Uvarova, V. M.; Shpol'skiy, H. R.

TITLE: NIKFI photographic materials for he vacuum ultraviolet region of the spectrum and their characteristics

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 9, no. 4, 1964, 286-288

TOPIC TAGS: ultraviolet photographic film, film characteristic, film sensitivity, silver halide, / ISP 22 spectrograph, DFS 6 vacuum spectrograph

ABSTRACT: The solution of many problems has been hampered by the lack of photographic film sensitive to the vacuum ultraviolet (UF) spectrum ( $\lambda$  (2200 Å) as a consequence of strong absorption in the gelatin of the emulsion layer of existing film. NIKFI developed five types of films sensitive to the far UF and soft x-ray region by using a new method of preparing photographic emulsion with a high concentration of silver halide in which a large portion of the gelatin is replaced by surface active substances. The five films differed in size of the AgHal microcrystals and had different sensitivities. The air-dried emulsion layer  $\sim 10\,\mu$ .

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ACCESSION NR: AP4043038

thick was coated on a triacetate base and hardened so that water at temperatures up to 100C did not melt it. The photographic properties of the film (see Table l on the Enclosure) were measured in the visible, near UF region (  $\lambda \sim 2300~\text{Å}$ ) and vacuum UF region (2000 A > A > 200 A). The films UF-2 and UF-3 were developed for 8 minutes in developer D-19 at 20C and the other film developed similarly for 4-6 minutes. The standard method of sensitometric measurements was used for the visible region; for  $\lambda$ = 2300 Å a mercury lamp in a ISP-22 spectrograph with a nine-stage attenuator was used. Characteristic curves (D versus log It) were obtained for all films at  $\lambda=2300$  A. Films UF-1, UF-2 and UF-3 have low visible sensitivity ideal for "hot" object work. The vacuum UF region was studied using a DFS-6 vacuum spectrograph with a low voltage vacuum spark between titanium electrodes as a light source. The relative spectral sensitivities of films UF-1, UF-2, and UF-3 were obtained at points over the range 200-3000 % and the contrast factor for these films for  $\lambda$  200-800 Å ranged from 0.7 to 1.0, while the other films had a smaller contrast. The storage properties were good and were maximized by storage in a polyethylene pack at 5-70 (e.g., UF-1 stored two years lost 40% of its sensitivity at  $\lambda = 2300$  Å, had no hazing, and preserved its contrast). The preservation of the film was attributed to the high colloidal stability

Card 2/4

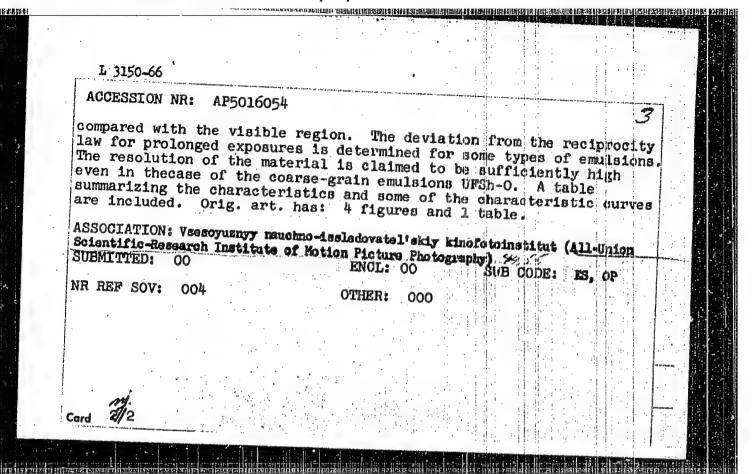
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Sam- Film ple type No.			Average diameter of AgHal	density	haracteristic proper For visible region of spectrum		ies For ): S,	2300 Å	TX.	
	***************************************	A	orystals L	D <sub>O</sub>	S <sub>0.2</sub> COST units	8	rela- tive units	Y		
	UF-1 UF-2 UF-3 UFSh-1 UFSh-2	<3500 <2200 <1500 3500—2000 <3500	0.35 0.29 0.18 1.16 1.16	0.06 0.04 0.04 0.09 0.11	5 0.5 0.8 50 50		2.5 0.25 0.08 8.0 8.0	1 1.2 0.9 0.9 1.2		
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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

L 3150-66 EWT(1)/T/EED(E)-3 IJP(c) ACCESSION NR: AP5016054 UR/0368/65/002/005/0475/0478 771.533 AUTHORS: Oshurkova. Uvarova, V. M.; Chistova, G. I; Shpol'skiy, M. NIKFI photographic materials for spectral analysis in the ultraviolet region of the spectrum 21.44.55 Zhurnal přikladnov spektroskopii, v. 2, no. 5, 1965, 475-478 SOURCE: TOPIC TAGS: uv spectroscopy, uv photography, photographic material, photographic emulsion ABSTRACT: The authors describe briefly the assortment of photographic materials developed for the registration of the ultraviolet region of the spectrum. The spectral sensitivity of the materials and the dependence of the contrast of the emulsions on the wavelength of the applied radiation is reported. It is shown that emulsions having a high content of silver halide exhibit an increase in the absolute sensitivity of the layers in the ultraviolet region of the spectrum Card 1/2



KALINKINA. V.A. (Moskva), KOZLOVA, N.I. (Moskva), HIKOLAYEV, I.H. (Moskva),

STRPAECHIKOV, A.A. (Moskva)

Investigating the thermal decomposition of coals and their mixtures.

Izv. AN SSSR. Otd. tekh. nauk. Met. i topl. no.6:156-160 N-D '60.

(Coal—Carbonization)

(Coal—Carbonization)

NIKOLAYEV, I.N.; STEPANCHIKOV, A.A.; DAVYDOVA, K.I.; KOZLOVA, N.I.; KALINKINA, V.A.; SMIRNOVA, M.I.

Method for the direct determination of the coking capacity of coals and charges. Koks i khim. no.11:9-15 '60. (MIRA 13:11)

1. Institut goryuchikh iskopayenykh AN SSSR. (Coal--Testing) (Coke)

DAVYDOVA, K.I. (MOSKVA); SMIRNOVA, M.I. (Moskva); KALINKINA V.A. (Moskva); SPEPANCHIKOV, A.A. (Moskva) Chita Province coals as possible raw materials for the metallurgical industry of Transbaikalia. Izv. AN. SSSR. Otd. tekh. nauk. Met. i topl. no.2:163-169 Mr-Ap '61. (MIRA 14:4) (Chita Province-Coal mines and mining) (Transbaikalia-Metallurgical plants) 

> APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

NIKOLAYEV, I.N.; KOZLOVA, N.I.; KALINKINA, V.A.; STEPANCHIKOV, A.A.

Heat capacity of coals and coal mixtures as determined by the temperature of their heating. Koks. i khim. no. 3:12-15 '61.

(MIRA 14:4)

l. Institut goryuchikh iskopayemykh AN SSSR.
(Coal-Thermal properties)

KALINKINA, Ye.G.

Puncture specimens from the lymph nodes and their diagnostic significance. Vop. spid. i klin. tub. 5:234-240 158.

(MIRA 14:12)

(LYMPHATICS -- PUNCTULE)

137-58-4-7741

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 198 (USSR)

AUTHORS: Goncharevskiy, M.S., Kalinkina, Z.-M.

TITLE: Corrosion Resistance of Welds of Electrically Welded Tubing

(Korrozionnaya stoykost' shva elektrosvarnykh trub)

PERIODICAL: Byul. nauchno-tekhn. inform. Vses. n.-i. trubnyy in-t, 1957, Nr 3, pp 48-55

ABSTRACT:

Problems of the quality of a weld of electrically welded tubing, its resistance and corrosion under atmospheric conditions, under various conditions of fabrication, in chemically active mediums, and so forth, are discussed. The corrosion strength of the seam was studied both in tubing not subject to annealing and in normalized tubes: a) for atmospheric corrosion—in a fog chamber (3 percent NaCl solution) and an apparatus for intermittent immersion; b) for submarine and other chemical corrosion in various fluid media—in a spindle apparatus. The test specimens were cut in the form of 70x30 mm segments from 57 and 76 mm diameter tubes of cold—rolled steel (Nrs 10 and 20) made on 51-152 mm electric welders. The specimens were taken from parallel positions: one containing the weld, the other from the diametrally

Card 1/2

137-58-4-7741

Corrosion Resistance of Welds of Electrically Welded Tubing

opposite side. To determine the effect of the degree of cold deformation of the metal on its corrosion resistance, flat specimens (100x28x1.5 mm) having degrees of deformation that increased along their length (5-53 percent) were tested, and similar tests were made of cylindrical specimens with 3, 35, 57, and 79 percent reduction. The tests were run in an 0.5-percent H2SO4 solution. It was established that: (1) The corrosion resistance of the seam and the parent metal of unannealed electrically welded tubes was virtually identical in service under industrial, marine, and other mediums of pH>3. (2) In acid solutions in which pH>3, the seams of unannealed electrically welded tubes have a corrosion resistance only one-third or one-fourth that of the parent metal. The same is noticed in an alternating medium (sea water -air). (3) After normalization of electrically welded tubes, the corrosion resistances of the seam and of the parent metal equalize regardless of test conditions. However, in an acid medium (0.5 percent H2SO4 solution), annealed electrically welded tubes have only one-fifth the resistance of those that had not been annealed. (4) Workhardening of metal (reduction <25 percent) increases its resistance to corrosion in a 0.5 percent H2SO4 solution. (5) Non-normalized electrically-welded tubing may be employed instead of seamless tube in structural tubing for cars and tractors (for water, petroleum, and gas), and in ammonia refrigerators.

Card 2/2

1. Welds--Corrosion--Test results 2. Steel tubing -- Applications

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

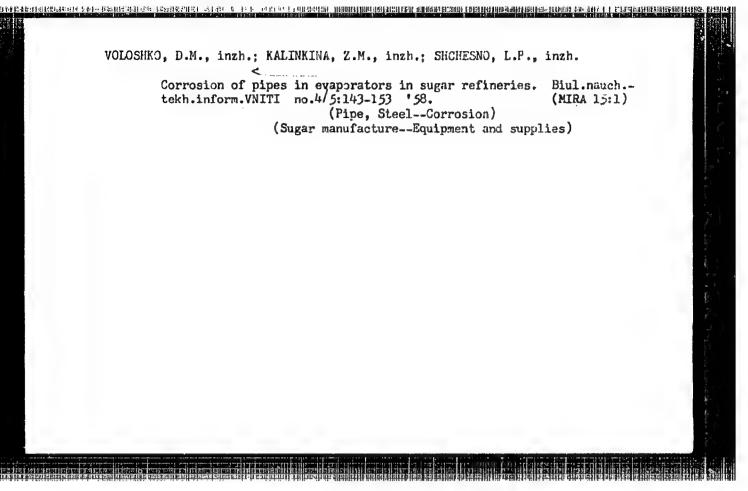
TOBILEVICH, N.Yu.; ZASYAD'KO, I.N.; MATEUSH, Ya.O.; VOLOSHKO, D.M.; KALINKINA, Z.M.; SHCHESNO, L.P.

Increasing the corrosion resistence of heat exchanging pipes for the sugar industry. Sakh. prom. 31 no.4:47-53 Ap '57. (KIRA 10:6)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (for Tobilevich, Zasyad'ko and Mateush). 2. VNITI (for Shchesno).

(Pipe) (Corrosion and anticorrosives)

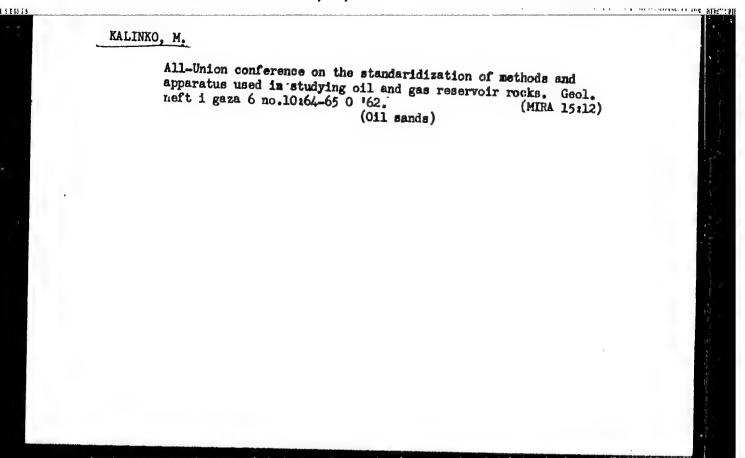
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VOLOSHKO, D.M., inzh.; KALINKINA, Z.M., inzh.

Using electrode potentials as criteria in selecting metals for diffusion-calorizator pipes in sugar refineries. Biul.nauch.-tekh.-inform.VNITI no.4/5:153-157 '58. (MIRA 15:1) (Sugar manufacture--Equipment and supplies)

Manufacture-Equipment and supp. (Pipe, Steel--Corrosion)



KALINKO, M.; RAABEN, V.

Discussing the most important questions of oil and gas geology, Geol. nefti i gaza 8 no.8:60-62 Ag '64. (MIRA 17:8)

KALINKO, M.K.

Principle regularities of the distribution of oil and gas pools and a hypothesis on their inorganic origin. Trudy VNIGNI no.27: 39-47 160.

Mechanics and conditions of the formation of mud volcanoes. Trudy VNIGNI no.27:98-136 '60. (MIRA 17:3)

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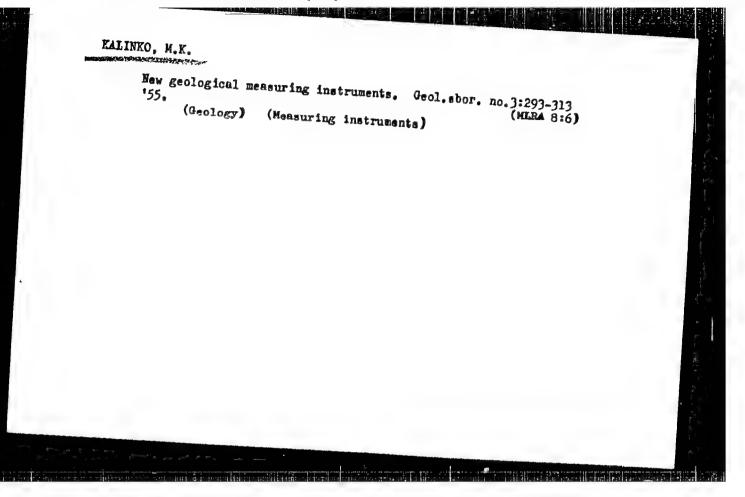
### CIA-RDP86-00513R000620110018-2

KALTIKO, M. K.	MUSER/Minerals Analysis  Distribution of H Various Dismeters of the Exactness of Kalinko, Sci Res S Gor Hain Northern  Abalysis based on sent of the content fractions of various of various ulometric compositions racy and exclusion  USUR/Minerals  Composition must be fractions. Submitte 19 Aug 48.
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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

resincului -nulingu, H. Subject USSR/Engineering AID P - 216 Card 1/1 Author Kalinko, M. Title Shortcomings of the "Companion of the Petroleum Geologist (Petrologist)" Periodical Neft. khoz., v. 32, #3, 62-64, Mr 1954 Abstract Comments on a handbook edited by Prof. N. B. Vasscyevich (Gostoptekhizdat, M-L, 1952). Evaluation of various chapters for practical use and suggestions for a new Institution : None Submitted No date

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"



KALINKO, M.K.

Tectonic plan of the Anabar and Khatanga interfluvial area, Trudy Nauch, issl. inst. geol. Arkt. 89:294-299 '56, (MIRA 11:1) (Anabar Valley--Geology, Structural)

(Khatanga Valley--Geology, Structural)

## KALINKO, M.K.

Permian and Triassic terrigenous materials in the northern part of middle Siberia. Dokl.AN SSSR 108 no.1:131-134 My 156. (MIRA 9:8)

1. Wauchno-issledovatel'skiy institut geologii Arktiki. Predstavleno akademikom W.M. Strakhovym. (Siberia--Geology, Stratigraphic)

RUKHIN, Lev Borisovich, prof., doktor geologo-mineralogicheskikh nauk, red.; SERDYUCHENKO, D.P., prof., doktor geologo-mineralogicheskikh nauk, red.; TATARSKIY, Vitaliy Borisovich, prof., doktor geologo-mineralogicheskikh nauk, red.; KALINKO, M.K., kandidat geologo-mineralogicheskikh nauk, red.; RUNGARTHA, N.V., kandidat geologo-mineralogicheskikh nauk, red.; RUSAKOVA, L.Ya., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

FINE THEE

[Reference manual on the petrography of sedimentary rocks; two volumes] Spravochnos rukovodstvo po petrografii osadochnykh porod; v dvukh tomakh. Leningrad. Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. otd-nie. Vol.1. [Conditions of formation, characteristics and minerals of sedimentary rocks] Usloviis obraso-vaniia svoistva i mineraly osadochnykh porod. 1958. 485 p. Vol.2. [Sedimentary rocks] Osadochnye porody, 1958. 519 p. (MIRA 11:2) (Rocks, Sedimentary)

SERVING TO COLOR AND SERVING CONTROL OF THE COLOR OF THE

KALINKO, M.K.: SHIRYAYEV, I.Yo.

Petroleum and gas resources of northern Siberia. Sov.geol. 1 no.12:69-87 D 158. (MIRA 12:4)

1. Mauchno-issledovatel'skiy institut geologii Arktiki i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

(Siberia--Petroleum geology) (Siberia--Gas, Natural--Geology)

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KALIMKO, N.K.

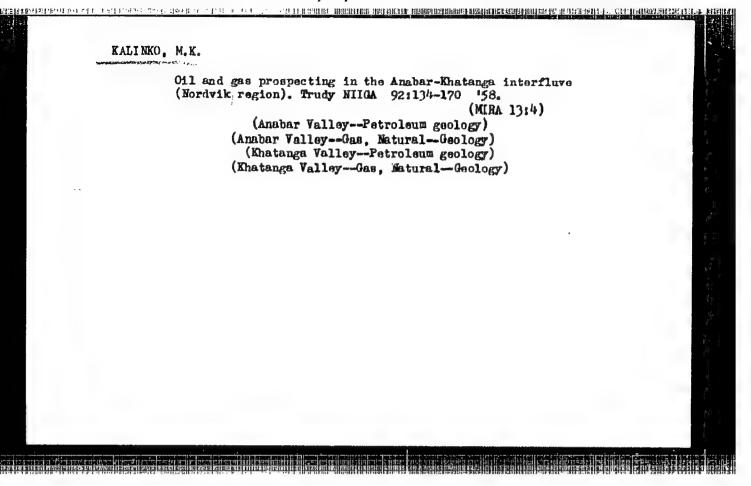
General classification of oil and gas reservoir rocks. Geol. nefti 2 no.7:44-52 Jl 58. (MIRA 11:8)

1. Vsesoyuznyy nauchno-issledovatel skiy geologorazvedochnyy neftyanoy institut.

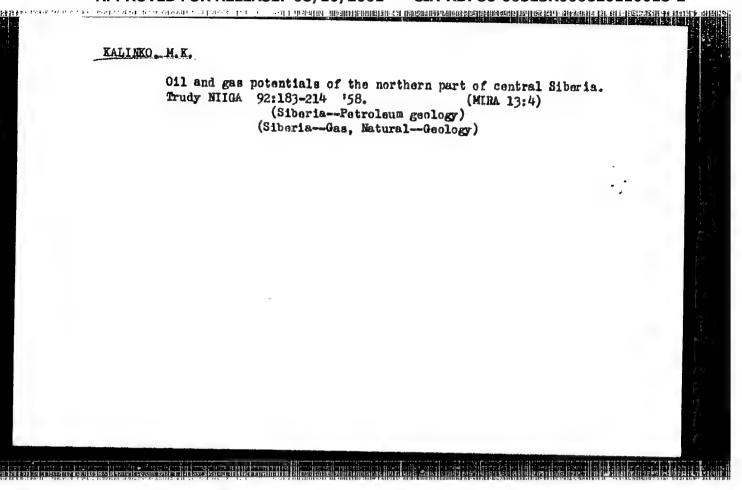
(Rocks-Classification and nomenclature)

AUTHOR: Kalinko, M.K. 507/5-58-4-18/43 TITLE: Basic Regularities in the Distribution of Oil and Gas in the Earth's Crust and the Hypothesis of Their Inorganic Origin (Osnovnyye zakonomernosti respredeleniya v zemnoy kore nefti i gaza i gipoteza neorganicheskogo ikh proiskhozhdeniya) PERIODICAL: Byulleten' Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, vNr 4, pp 144-145 (USSR) ABSTRACT: This is a summary of a report given by the author at a conference of the Moscow Society of Naturalists on 25 March 1958. The author considers the basic regularities in the distribution of oil and gas in the Earth's crust, and gives a detailed explanation in favor of the hypothesis of their organic origin as against the hypothesis of their inorganic origin. 1. Petroleum-Geology 2. Petroleum-Sources 3. Petroleum-Theory Card 1/1

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KALINKO, Mikhail Kuz'mich; GEDROYTS, N.A., nauchnyy red.; DAYEV, G.A., wedushchiy red.

[Geological development and oil and gas potentials of the Khatanga depression] Istoriia geologicheskogo razvitiia i perspektivy neftegazonosnosti Khatangskoi vpadiny. Leningrad, Gos. nauchn.-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry. Leningr. otd-nie. 1959. 358 p. (Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Trudy, vol. 104). (MIRA 12:12)

(Siberia, Eastern--Petroleum geology) (Siberia, Eastern--Gas, Natural--Geology)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

KALINKO, M. K., Doc Geolog-Mineralog Sci (diss) -- "The history of the geological development and oil-and-gas content of the Khatanga Valley". Leningrad-Moscow, 1959. 30 pp (Min Geology and Protection of Natural Resources USSR, Sci Res Inst of the Geol of the Arctic, All-Union Sci Res Geological -- Prospecting Petroleum Inst), 150 copies (KL, No 24, 1959, 129)

AUTHOR:

Kalinko, M.K.

TITLE:

On the "English-Russian Geological Dictionary" (Ob "Anglo-Russkom geologicheskom slovare")

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, Nr 1, pp 125-126 (USSR)

ABSTRACT:

This is a review of the above mentioned dictionary, compiled by T.A. Sofiano.

Card 1/1

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

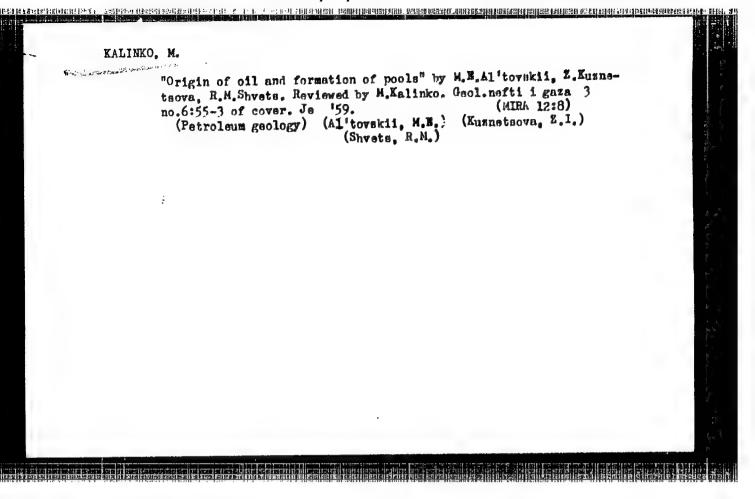
# Analyzing the granulometric composition of terrigenous heavy minerals in order to determine their migration routes. Sov. geol. 2 no.12:19-23 D '59. (MIRA 13:5)

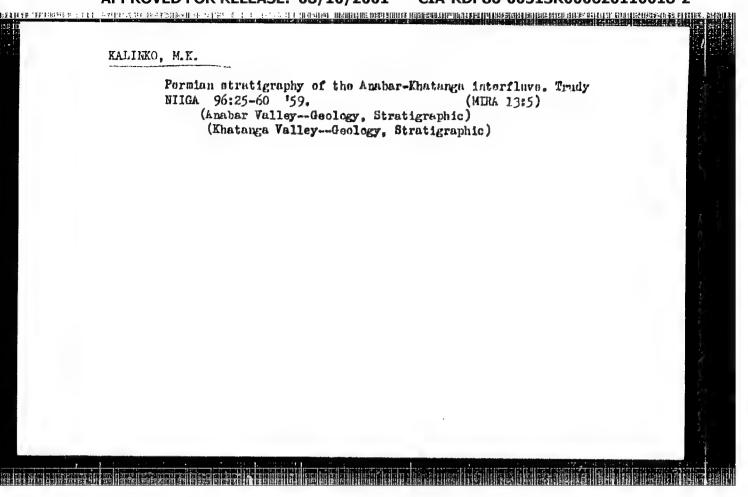
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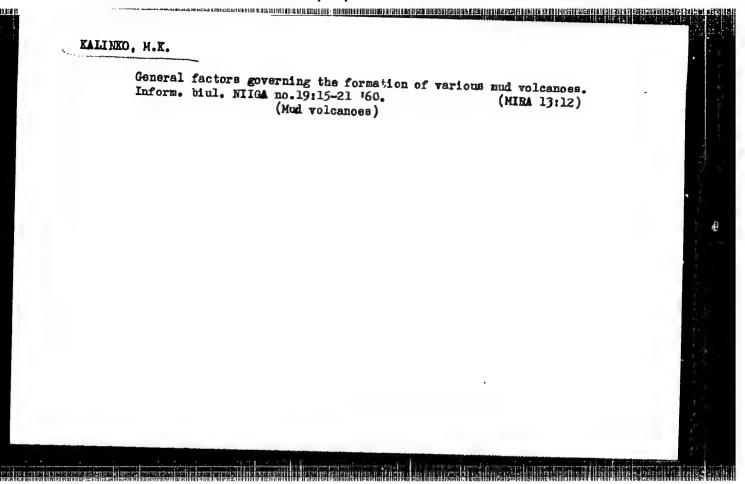
1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

(Mineralogy)

#### 







KALINKO, M.K.

First All-Union Conference on Fractured Oil and Gas Reservoirs.

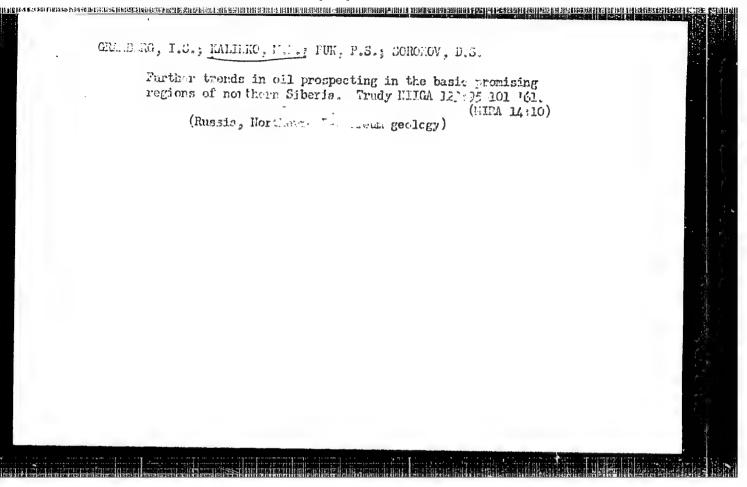
Sov. @01. 3 no.10:165-168 0'60. (MIRA 13:10)

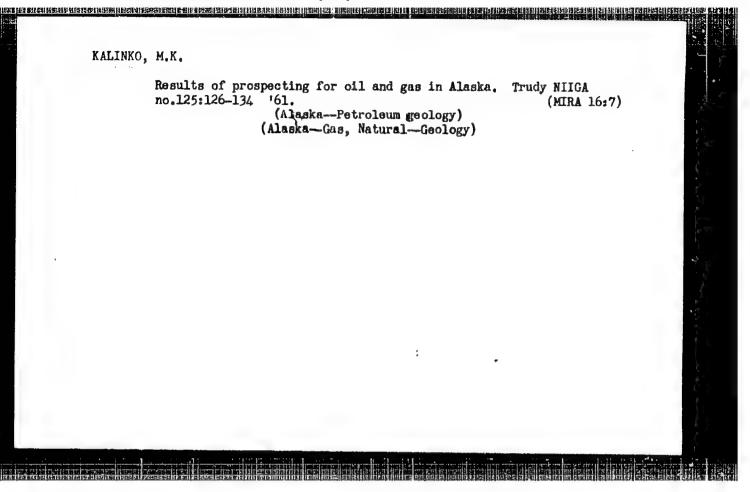
1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy neftyanoy institut.

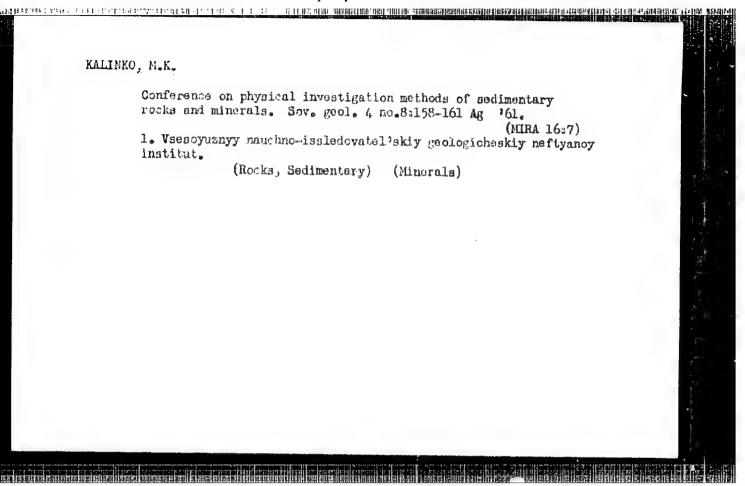
(Petroleum geology) (Gas, Natural---Geology)

MILLER, Don Dzh. [Miller, D.J.]; PEYN, Tomas G. [Payne, T.G.]; GRIK, Dzh. [Gryc, George]; BALASHOVA, M.V. [translator]; KALINKO, M.K., doktor geol.-miner. nauk; SHOROKHOVA, L.I., ved. red.; VORONOVA, V., tekhn. red.

[Geology of possible petroleum provinces in Alaska] Geologiia neftegazonosnykh provintsii Aliaski. Pod red. i s dopolneniiami M.M. Kalinko. Moskva, Gostoptekhizdat, 1961. 181 p. (MIRA 16:6) (Alaska--Petroleum geology)







RUKHIN, Lev Borisovich, prof.[deceased]; RUKHINA, Ye.V., kand.geol.-min.mank.

Prinimali uchastiye: SARANCHINA, G.M., dots.; FRANK-KAMENETSKIY,

V.A., dots.; KALINKO, M.K., doktor geol.-miner. nauk; VASSOYEVICH,

N.B., prof., Ted.; TOKAREVA, T.N., ved. red.; YASHCHURZHINSKAYA,

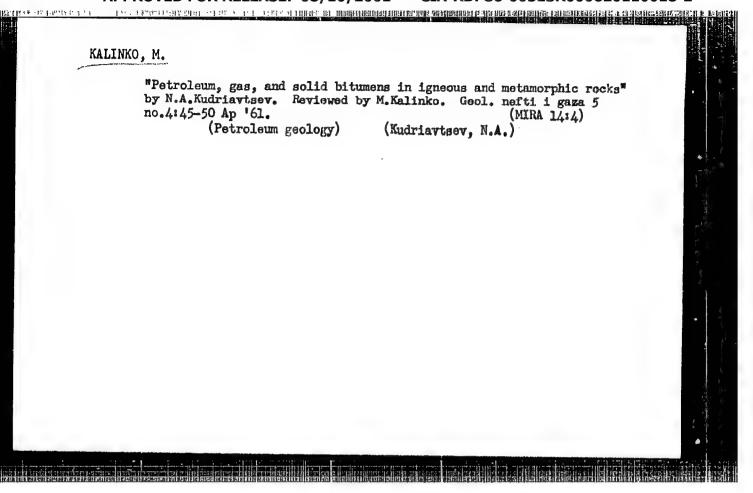
B.Ya., tekhn. red.

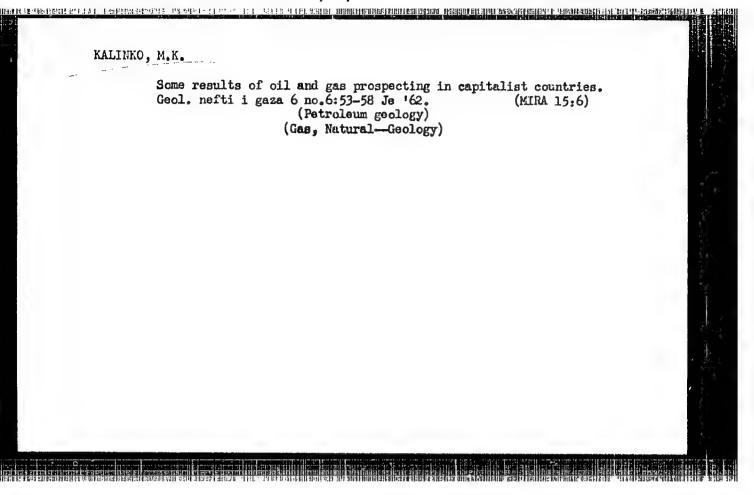
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[Fundamen'als of lithology; theory of sedimentary rocks] Osnovy litologii; uchenie ob osadochnykh porodakh. Izd.2., perer.i dop. E.V.Rukhinoi. Pod red. N.B.Vassoevicha. Leningrad, Gos.nauchnotekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 779 p. (MIRA 15:2)

1. Leningradskiy gosudarstvennyy universitet (for Saranchina, Frank-Kamenetskiy). 2. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut (for Kalinko).

(Rocks, Sedimentary)





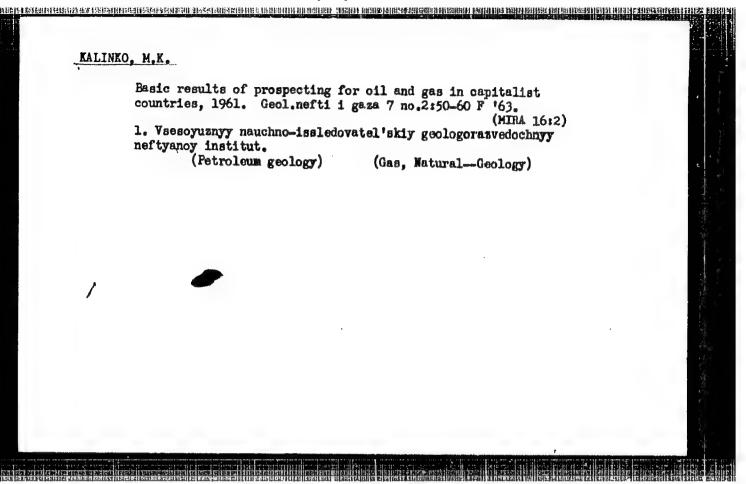
B. 经建算支撑点 上 医前分泌 1.3 不分,1935 在2.5 在在1957年,2月 2月 1.5 在1957年,1957年,1957年,1957年,1957年,1957年,1957年,1957年,1957年,195

DICKENSTEIN, G.K., KALINKO, M.K. MAKSIMOV, S.P. KHALTURIN, D.S.

"Efficient methods of finding new oil and gas beds in less explored regions."

Report submitted to the Conf. on the Application of Science and Technology for the Benefit of the Less Developed Areas.

Geneva, Switzerland 4-20 February 1963



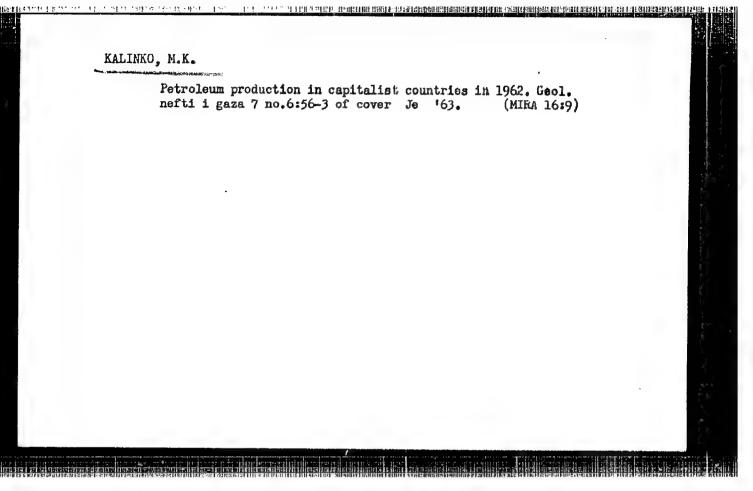
KALINKO, Mikhail Kuz'mich; KHANIN, A.A., red.; SAVINA, Z.A., ved.

red.; YAKOVLEVA, Z.I., tekhn. red.

[Methods for studying the rezervoir properties of cores]Metodika issledovania kollektorskikh svoistv kernov. Moskva,
Gostoptekhisdat, 1963. 223 p. (MIRA 16:4)

(011 reservoir engineering-Equipment and supplies)

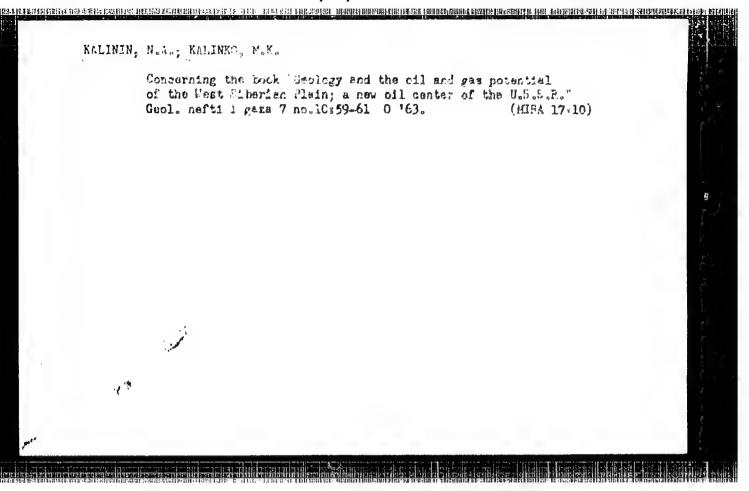
(011 sands-Analysis)



KALINKO, M.K.

Principal results of and trends in world oil prospecting. Sov. geol. 6 no.7:3-13 Jl '63. (MIRA 16:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorozvedochnyy neftyanoy institut.



KALINKO, M. K.

"Geological factors determining regularities in the distribution of oil and hydrocarbon gas deposits in the earth crust."

Report submitted for 22nd Sess, Intl Geological Cong, New Delhi, 14-22 Dec 1964.

#### 

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

KALINKO, M.K.; SHAKS, I.A.

Discussion on the methods of studying oils, gases, and organic matter in rocks. Sov. geol. 7 no.10:163-165 0 164.

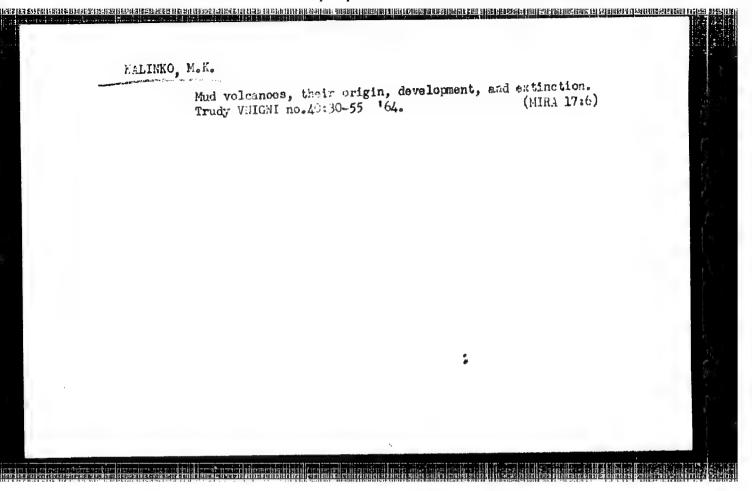
(MIRA 17:11)

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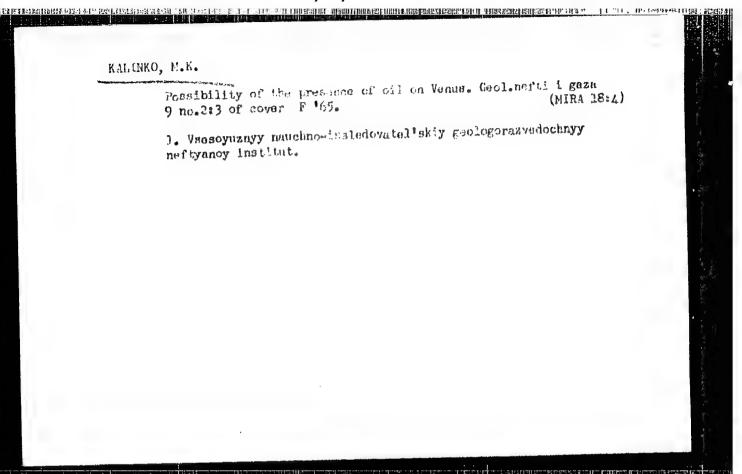
KIROV, V.A.; KALINKO, M.K.

Concerning the collection of articles "Conditions for the formation of oil and gas fields in some oil and gas regions of the U.S.S.R." Geol. nefti. i gaza 8 no.10:53-56 0 '64.

(MIRA 17:12)



#### 



KALINKO, M.K.

Results of oil and gas prospecting achieved in some foreign countries in 1963-1964. Geol. nefti. i gaza 9 no.7:52-60
Je '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.

L 22722-66

ACC NR: AP6002931

SOURCE CODE: UR/0286/65/000/024/0098/0098

AUTHORS: Kalinko, M. K.; Khromow, M. V.

The state of the s

ORG: none

TITLE: Apparatus for determining gas permeability of rocks; Class 42, No. 177148

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 98

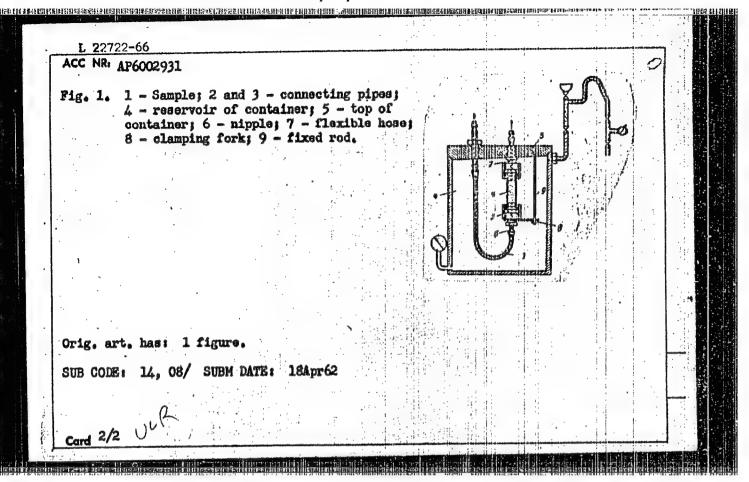
TOPIC TAGS: permeability measurement, gas diffusion

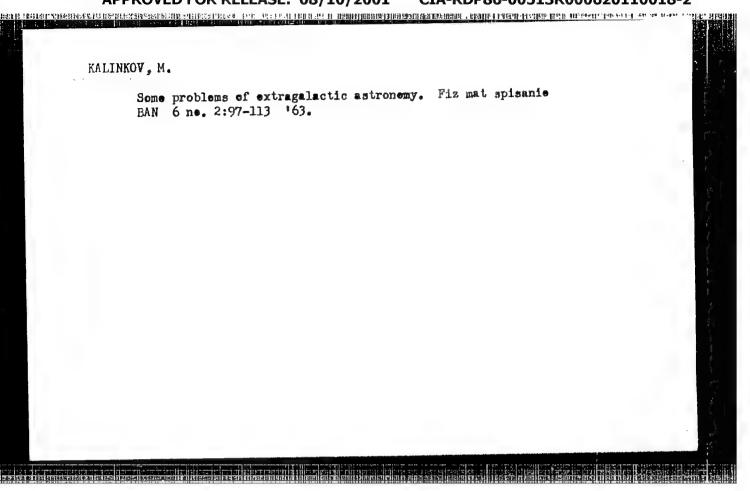
ABSTRACT: This Author's Certificate describes apparatus for determining the gas permeability of rocks. The apparatus consists of a rubber tube for holding the sample, nipples, tubes with valves and T-junctions, a reducer for creating pressure, and a manometer. To produce uniform confining pressure on the sample and to examine samples of various sizes, the device is made in the form of a hermetically sealed container filled with liquid (see Fig. 1). In this container a system for mounting the sample is placed. It consists of two connecting pipes, the upper one set in the top of the container and the lower connected through a nipple to a flexible hose for supplying gas to the sample. The lower connecting pipe is squeezed against the sample by a clamping fork screwed into a rod attached to the top of the container.

Card 1/2

UDO: 550.844

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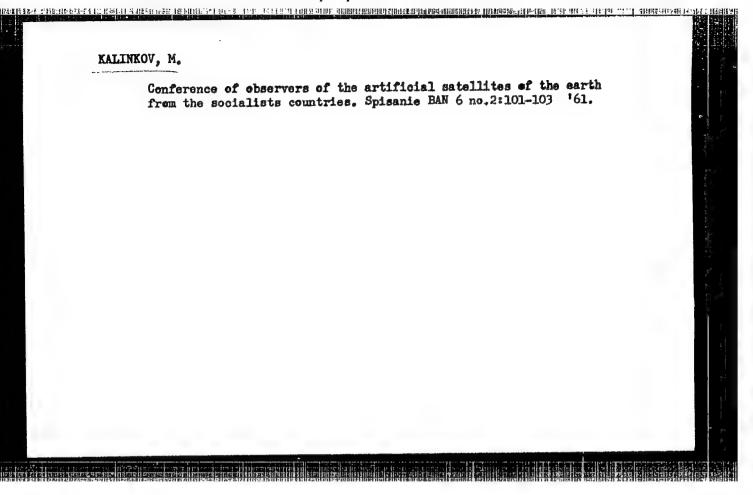




KALINKOV, M.

Distribution of meteors by stellar magnitudes. Astron.zhur. 41 no.2:419-421 Mr-Ap '64. (MIRA 17:4)

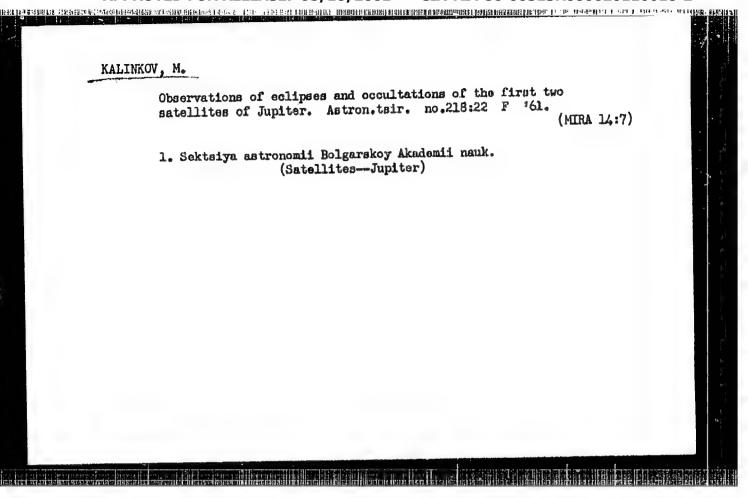
1. Sektor astronomii Bolgarskoy Akademii nauk.



(MIRA 14:7)	
l. Sektsiya astronomii Bolgarskoy Akademii nauk. (Meteors)	
	1. Sektsiya astronomii Bolgarskoy Akademii nauk. (Meteors)

 Radiants of me		stron.tsir.	no.218:18-1	9 F	'61. (MIRA 14:7)	
					furner T4+1)	
1. Sektsiya as	tronomii	Bolgarskoy A (Meteors)	lkademii nauk	•		

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"

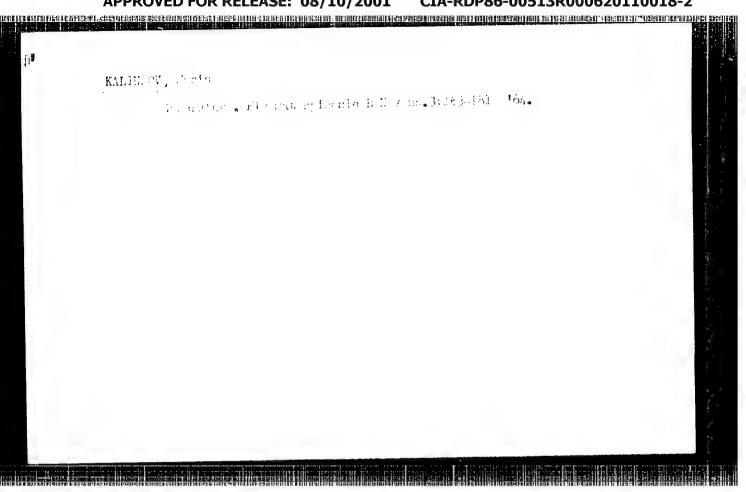


KALINKOV, M.; RUSEV, R.

Visual observations of Perseids in Sofia in 1961, Astron. tsir.
no.229129-30 Je '62.

1. Sektor astronomii Bolgarskov Akademii nauk.
(Neteors—august)

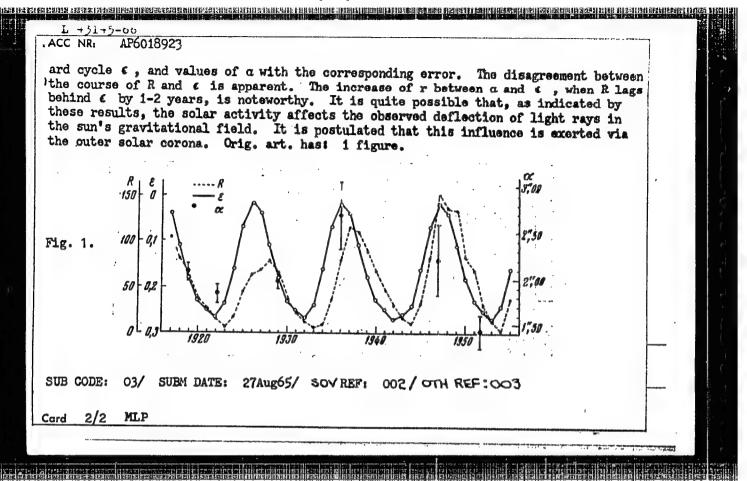
# KALINKOV M. Visual observations of Perceids in 1959. Astron. tsir. no.229: 30-32 Je '62. 1. Sektor astronomii Bolgarskoy Akademii nauk. (Meteors—August)



L 32221-66 FBD GW/W8-2 BU/0011/65/018/006/0509/0512 ACC NR AP6020836 SOURCE CODE: Nedyalkov, I: Kalinkov, M. AUTHOR: ORG: Astronomical Section, BAN; Institute of Physics BAN Hypothesis of quasi-stellar radio sources TITLE: SOURCE: Bulgarska akademiya na naukite. Doklady. v. 18. no. 6, 1965, 509-512 TOPIC TAGS: cosmic radio source, scintillation, galaxy, star ABSTRACT: The discovery of powerful star-like radio sources of the 30273 and 3048 type resulted in the formulation of various hypotheses aiming at the explanation of their characteristics. Basically, all the hyptheses may be classified as scintillation and nonscintillation (gravitational collapse) hypotheses. This paper presents a new scintillation-type hypothesis which, under certain assumptions, describes well the physical characteristics of superstars (such a star is assumed to consist of a thin plasma shell in equilibrium with a photon gas filling). Results seem to indicate that the superstars are formations connected generically with explosive galaxies (E. M. Burbidge, G. R. Burbidge, V. G. Rubin, ApJ., 140, 1964, 942). Orig. art. has: 11 formulas. [Orig. art. in Eng.] [JPRS] SUB CODE: 03, 20 / SUBM DATE: 15Feb65 / OTH REF: 012 / SOV REF: 003 Card 1/1

L 34734-66 EWT(1) IJP(c) GW HU/0012/65/008/001/0008/0027 ACC NR: AP6025119 AUTHOR: Kalitain, Nikola: Kalinkov, Marin B ORG: none TITLE: Astronomical effects of the general theory of relativity SOURCE: Figiko-matematichesko spisanie, v. 8, no. 1, 1965, 8-27 TOPIC TAGS: general relativity theory, colestial mechanics, gravitation red shift, liercury planet ABSTRACT: This is a comprehensive survey of the present status of the estronomical effects which serve as confirmation of the general theory of relativity. Starting with the classic arguments concerning the motion of the perigee of the planet Fernance and other celestial bodies and the light deflection mear celestial bodies, it proceeds to the gravitational red shift and the most recently investigated effects of the theory (Ectvos-Dicke inertial-heavy was equivalence measurements, Lenso-Turing-Schiff effect, stellar period increase on very eccentric orbits, Hvolson effect, negative mass hypothesis). Orig. art. has: 6 figures. [FRS: 32,859] SUB CODS: 20, 03 / SUBH DATS: mount

EWT(1) IJP(c) L 43145-66 SOURCE CODE: UR/0203/66/006/003/0581/0582 AP6018923 ACE NR AUTHOR: Kalinkov, M. Astronomy Department, Bulgarian Acidemy of Sciences (Sektor astronomii Bolgar-ORG: skoy Akademii nauk) TITIE: Concerning one Einstein effect SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 581-582 TOPIC TAGS: solar activity, gravitation field, solar corona ABSTRACT: It is pointed out that the solar activity may affect one observable Einstein effect, the deflection of light rays in the sun's gravitational field. Statistical calculations show that there is a certain correlation between such deflections and the solar activity. For the six total solar eclipses of 1919, 1922, 1929, 1936, 1947, and 1952, the weighted mean value of  $\alpha = 1$ ".93  $\stackrel{!}{=}$  0".05, and the arithmetic mean  $\alpha = 2".03 \pm 0".10$  differs from the theoretically predicted value  $\alpha = 1".75$ . Comparison of these six observed values of a with the solar activity shows that there is a statistical correlation between them. The correlation coefficients r between these six observed deflections and the corresponding Wolf numbers R (daily, monthly, and yearly) are considered. The largest (negative) r occurs for observed a values and ellipticity of the solar corona at a distance 2R o in a standard cycle. Fig. 1 shows observed values of yearly Wolf numbers R, ellipticity of the solar corona in a stand-UDC: 530.12 Card



1 05377-01

ACC NR: AT6031509

SOURCE CODE: BU/2503/66/014/000/0147/0158

AUTHOR: Kalitsin, N.; Kalinkov, M.

12

ORG: none

BH

TITLE: Supergiant stars as massive condensations

SOURCE: Bulgarska akademiya na naukite. Fizicheski institut. Izvestiya na

Fizicheskiya institut s ANEB, v. 14, 1966, 147-158

TOPIC TAGS: galaxy, star cluster, supergiant star, star association

ABSTRACT: The characteristics of a suggested new model of a star are determined. On the basis of the works of Iben, Chandrasekhar, and Tooper, the mass of the supergiant star should be  $10^4 M_{\odot}$ , when a pulsation instability appears. A similar mass is obtained by extrapolation of existing empiric mass-luminosity relations. The formula of Hoyle and Fowler produces a larger mass, but the average  $10^{4-0.5}$   $M_{\odot}$  is in conformity with theoretical examinations. Extrapolation of the empiric mass-radius relations ( $M=10^4 M_{\odot}$ ) leads to  $R\approx 10^3 R_{\odot} \approx 7.10^{13}$  cm. The brightness of the described model of a non-stationary object varies owing to pulsation instability. It is shown that the variations in brightness may be due to expansion of the shells, if results of statistical analysis of the light curve of supergiant stars Card 1/2

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L 05399-67

ACC NR: AT6031509

(1 explosion/day) are applied, and if the mass flow is assumed to be  $10^{30}$ g/explosion, at an observed velocity of flow of 5.  $10^8$  cm/sec. On the surface, the optical depth of the shell is tau  $\approx 20$ , and at a distance  $(4\div 5)R$  it is already tau  $\leq 1$ . This increases the observed effective radius of the supergiant stars. A lifetime of  $\sim 600$  years has been established for these stars. A figure of approximately 50 supergiant stars in the visible universe has been obtained by extrapolation of the luminosity function of the stars and the number of galaxies ( $10^9$ ) in a sphere of  $10^9$  ps radius. Despite an error in evluation, there is a coincidence with observations made of some 35 supergiant stars. The described model of such a star will most probably break up and form star associations or star clusters. The authors express gratitude to their colleague I. Nedyalkov for useful discussions and for his interest in their work. Orig. art. has: 16 formulas.

SUB CODE: 03/ SUBM DATE: 25May65/ ORIG REF: 008/ OTH REF: 055/

Card 2/2 4/

ACC NRI AR6035555

SOURCE CODE: UR/0269/66/000/010/0076/0076

AUTHOR: Kalinkov, M.; Nedyalkov, I. V.

TITLE: A new hypothesis on quasars

SOURCE: Ref. zh. Astronomiya, Abs. 10.51.568

REF SOURCE: Sb. Gravitatsiya i teoriya otnositel'n. Vyp. 2. Kazan', Kazansk. un-t, 1965. 125-129

TOPIC TAGS: supernova, photon, quasar

ABSTRACT: A quasar model in which the massive central body is surrounded with a cloud of ordinary stars is discussed. It is supposed that the central body structure is a spherical plasma shell limiting the space filled with photon gas. Such an object can expand, shrink or remain in neutral equilibrium. Stars drop on the body continuously and explode as supernovas, thus providing for the required release of energy. Bibliography of 21 titles. [Translation of abstract]

SUB CODE: 03/

Card 1/1

UDC: 523, 12

#### "APPROVED FOR RELEASE: 08/10/2001

#### CIA-RDP86-00513R000620110018-2

Knimiki Kim P

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Akedomiya nouk ESSR. Astronomicheukly sovet.

Byulleten; stantsiy optichesingo mablyudeniya ishusatvennykh sprimikry Zemli. no. 8 (18) (Bulletin of the Stations for Optical Observations of Artificial Earth Satellites. No. 8 (18) Noucow, 1960. 23 p. 500 copies printed.

Sponsoring Agency: Astronomicheskiy sovet Akademii nauk SISR.

Resp. Ed.: G. A. Leykin; Ed.: D. Yo. Shchegolav; Scorntary: O. A. Saverneys.

PUNTOSE: This bulletin is intended for scientists and engineers succerned with optical tracking of artificial satellites.

COVERAGE: The bulletin contains seven articles concerned with mathias and equipment used for the photographic observation of artificial earth satellities, the brightness of catellities and equipment for its detormination, and the results of photographic observation of satellities. No personalities are mentioned. There are 14 references, all Soviet.

Card 1/3

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i	Bullatin of the Stations (Cost.)	1	:	
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;	Kicolov, A. A., and B. A. Firego. Potermination of the Each of Stoller Photographs and the Angular Velocity of a Celestial Body Moving at Mach Speed	3	i	
	Coranha, V. I., and Ye. P. Chaylaradidy. [Astronomich shaya observatoriya Khar'larakhan as suniversitata — Astronomical Observatory of the Macr'kar State University]. Reconstruction and Investigation of the Shatter of the NAFA 3c/25 Cenera in Macr'ker			
1	and the fooders of Sciences			
;	Dalach, B. [Astronomical Costatory of the Humanian People's Republic] Observation of Satellites of the Humanian People's Republic Observation of Satellites With the Visual TZK Telescope Supplied With a Photocarra for Photographing the Limbs	8		
	Bukhantsev, L. T., and V. H. Kharaput. A Device for Registration of a Satellite's Brightness and Determination of Its Variation	9		
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	. Bulletin of the Stations (Cont.)	1/5578			
	. Mikolov, M. S., and M. P. Kalinkov. [People's Republic of Bulgar Soila Astronomical Observatory] Period of the Brightness Variatio of the Rocket of Sputnik III Observed in the Soila Astronomical Observatory	'n	12		
t t	Grigorevskiy, V. R. [Odesskaya stantsiya nablyudeniya ISZ. Gdess Satellite Tracking Station] Variation of the Period of Rotation Spatnik II	a Of	1 <sup>t</sup>		(V) (V)
	Results of Photographic Observations of Artificial Earth Satellit	æs .	20		21.22
	Corrections (of No. 10, 1959, Nos. 4 and 5, 1960)		23		. · · · · · · · · · · · · · · · · · · ·
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3,2300

AUTHORS:

Nikolov, N.S., Kalinkov, M.P.

TITLE:

Period of changes in the brightness of the rocket of the 3rd Soviet artificial Earth's satellite according to observations at the Sofia

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Astronomical Observatory

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 10, 1961, 77, abstract 10A571 ("Byul. st. optich. nablyudeniya iskusstv. sputni-

kov Zemli", 1960, no. 8, 12 - 14)

The authors present the results of observations of the brightness TEXT: of the Sputnik III rocket conducted at the Sofia Astronomical Observatory from July 29 to August 18, 1958. A graph of time variation of the period has been plotted.

[Abstracter's note: Complete translation]

Card 1/1

CIA-RDP86-00513R000620110018-2" APPROVED FOR RELEASE: 08/10/2001

NIKCLOV, N.S.; KALINKOV, M.P.

Observations of anomalous Perseids in Solia. Astron.tsir.
no.227:26-27 F '62. (MIRA 16:1)

1. Sofiyskaya astronomicheskaya observatoriya.
(Metegrs—August)

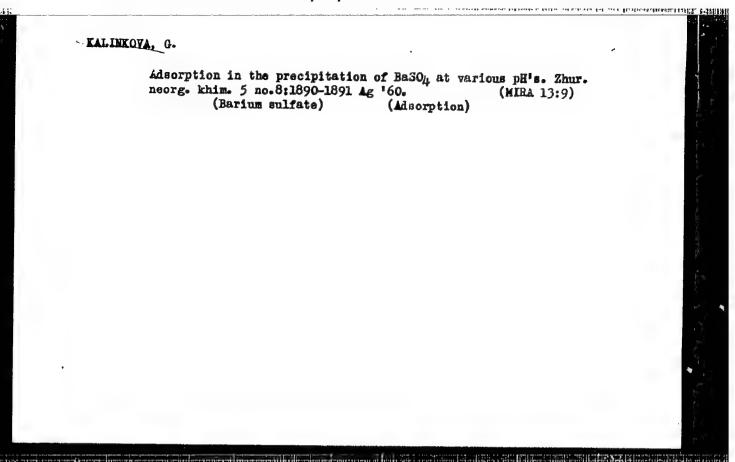
BAICHEV, G., dotsent; KALINKOV, S1.

Remote results of arthroplasty with or without interposition in various forms of tuberculous coxitis. Khirurgiia 15 no.2/3: 224-228 62.

l. Is Bolnitsa za kostno-stavna tuberkuloza - Pancharevo. (TUBERCULOSIS OSTEOARTICULAR surg) (HIP dis)

#### "APPROVED FOR RELEASE: 08/10/2001 C

CIA-RDP86-00513R000620110018-2



# KALINKOVA, G.

Complexemetric methods of determining the calcium and magnesium content in sheep's milk. Vop.pit. 22 no.1:62-65
Ja-F'63
(MIRA 16:11)

1. Iz Nauchmo-issledowatel'skogo instituta molochnoy promyshlennosti, Sofiya, Bolgariya.

KALINKOVA, G.

Application of ion metabolism in food industry. Priroda Bulg 12 no. 1: 65-68 Ja-F '63.

ESKIN, V.A., podpolkovník meditsinskoy sluzhby; DANDUROV, Yu.V., kapitan meditsinskoy sluzhby

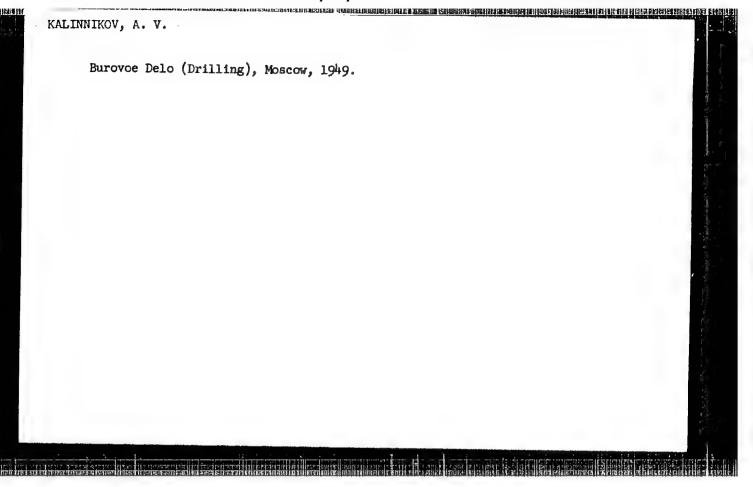
KALINKOVSKIY, I.S., kapitan meditsinskoy sluzhby

Net for insect protection. Voen.-med.zhur. no.6:89-90

Je '59.

(MOSQUITONS

canopy for protection (Rus))



KALINHIKOY. Andrey Vsevolodovich, professor; LETNHV, B.Yn., redaktor;
PRVZHER, V.I., teknnicheskiy redaktor

[Boring] Burovoe delo. Isd. 2-oe, perer. Moskva. Gos. izd-voselkhoz. 11t-ry, 1956. 366 p. (MLRA 9:8)

(Boring)

ACCESSION NR: AP5016265

UR/0258/65/005/003/N459/N468

AUTHLE: Kalinnikov, A. Te. (Moscow)

TITLE: Thermodynamic analysis of the relationship between stresses and deformation rate, deformation tensor, plastic deformation, alastic deformation, stress load, polymer

ABSTRACT: A detailed analysis is made of the deformation, tensor structure E., followed by a ingresses analysis of inclastic deformation. The meformatical

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nd the entropy of the system,	by			
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he entropy equation is the sum	of an interaction term between	Hini the sivistem s	and the	

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ACCESSION WRI AP5016265

surroundings and a local increase in entropy. Using the about expressions for

Una le. rmat. . add m

$$\begin{split} & \mathcal{E}_{ij}^{*} = \frac{1}{2G} \left( \mathcal{G}_{ij} - \lambda \theta \delta_{ij} \right) + \alpha \left( T - T_{q} \right) \delta_{ij}, \\ & \lambda = \frac{Bv}{\left( 1 - 2v \right) \left( \cdot + v \right)}, \qquad G = \frac{B'}{2\left( 1 + v \right)}, \end{split}$$

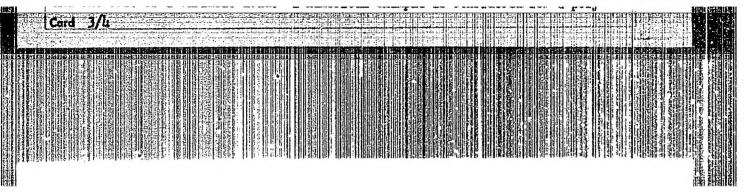
for Eve

$$-\frac{\partial F_{vc}}{\partial J_{z}^{cc}} \varepsilon_{ij}^{cc} = \frac{\partial D^{*}}{\partial J_{z}} \theta_{ij,\ i}^{cc}$$

where the deviator  $\mathcal{E}_{ij}^{p}$  formally intermines the internal microstranses, and for  $\mathcal{E}_{ij}^{p} = \frac{3 \, e_{ij}^{p}}{2\pi} \, \overline{\sigma}_{ij}$ 

which depends on the magnitude of the acting stress and its history. Three applications are discussed for the above analysis. These include: the case of active loading. do: >0. the case of a time lag

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"



APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000620110018-2"